

## Integrated Visual and Language-Based System and Method for Reusable Data Transformations

### **ABSTRACT**

5    There is provided a method and system for developing a transformation program to transform a data structure from a first format to a second format, the program including a plurality of coupled data transformation modules describing the transformation, the method comprising the steps of: generating a first transformation module of the plurality of transformation modules for assembling the program, the first module being a module type of a set of module types including  
10    a language constructed module type and a visually constructed module type; extracting reference information from the first module for accessing the first module when stored in a memory; and updating a module registry to include a first entry corresponding to the reference information of the first module, the module registry configured for having reference information entries extracted from both the language constructed modules and visually constructed modules.

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